

**bs-10023R****[ Primary Antibody ]****STAT4 Rabbit pAb****BioSS**  
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 6775	<b>SWISS:</b> Q14765	
<b>Target:</b> STAT4		<b>Reactivity:</b> (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Dog)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human STAT4: 111-210/748.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 85 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Aug 2011].		

**— SELECTED CITATIONS —**

- **[IF=7.9]** Tiantian Wang. et al. Baicalein alleviates cardiomyocyte death in EAM mice by inhibiting the JAK-STAT1/4 signalling pathway. PHYTOMEDICINE. 2024 Jun;128:155558 WB,IF ;Mouse. 38547614
- **[IF=5.714]** Chenglin Li. et al. Ranitidine as an adjuvant regulates macrophage polarization and activates CTLs through the PI3K-Akt2 signaling pathway. INT IMMUNOPHARMACOL. 2023 Mar;116:109729 WB ;Mouse. 10.1016/j.intimp.2023.109729
- **[IF=5.7]** Xixi Wang. et al. Probing Selenium-Deficient Chicken Spleen Th1/Th17 Differentiation Based on Selenoprotein W Targeting of PKM2/HIF1α. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB ;Chicken. 39441563
- **[IF=3.943]** Le Tian. et al. Luteolin as an adjuvant effectively enhances CTL anti-tumor response in B16F10 mouse model. Int Immunopharmacol. 2021 May;94:107441 WB ;Mouse. 33611060
- **[IF=3.487]** Ran Lu. et al. Chrysin Enhances Anti-tumor Immunity Response through IL-12-STAT4 Signal Pathway in B16F10 Melanoma Mouse Model. SCAND J IMMUNOL. 2022 Apr 28 WB ;Mouse. 35484925